10539512

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1612bxr

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 02	STN pricing information for 2008 now available
NEWS 3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 5	JAN 28	MARPAT searching enhanced
NEWS 6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 8	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 9	FEB 08	STN Express, Version 8.3, now available
NEWS 10	FEB 20	PCI now available as a replacement to DPCI
NEWS 11	FEB 25	IFIREF reloaded with enhancements
NEWS 12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS 14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS 15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS 16	MAR 31	CA/CAplus and CASREACT patent number format for U.S. applications updated
NEWS 17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS 18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS 20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS 21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS 22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS 23	MAY 30	INPAFAMDB now available on STN for patent family searching
NEWS 24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS 25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS 26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS 27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS 28	JUN 19	CAS REGISTRY includes selected substances from web-based collections

Updated Search

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NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9
DICTIONARY FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

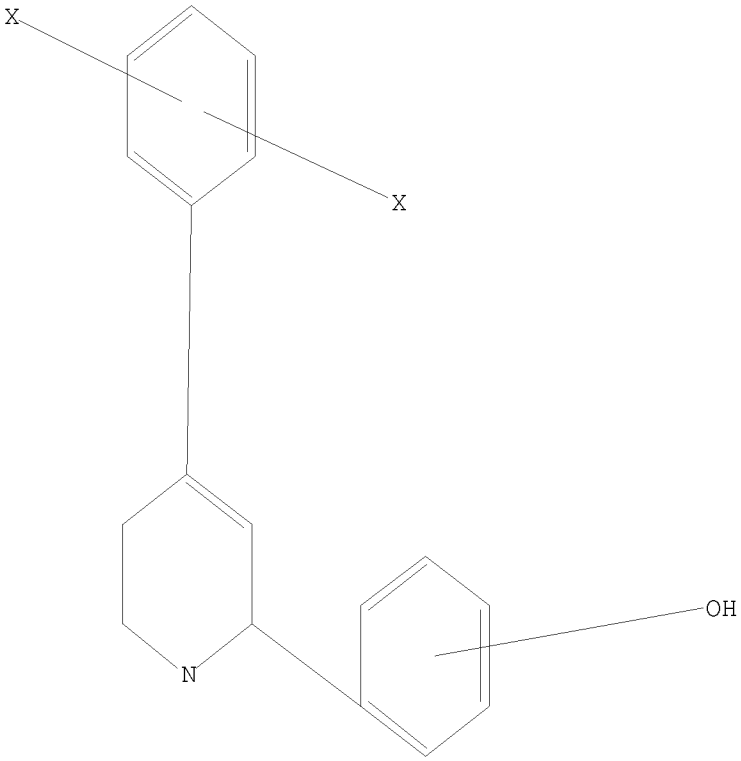
=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\asefg.str

L1 STRUCTURE UPLOADED

Updated Search

10539512

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 18:07:42 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 23597 TO ITERATE

8.5% PROCESSED 2000 ITERATIONS 9 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 462746 TO 481134
PROJECTED ANSWERS: 1505 TO 2741

L2 9 SEA SSS SAM L1

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\asdefv.str

L3 STRUCTURE UPLOADED

Updated Search

10539512

```
=> d l3
L3 HAS NO ANSWERS
L3              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l3
SAMPLE SEARCH INITIATED 18:08:59 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     1690 TO ITERATE

100.0% PROCESSED     1690 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        31334 TO    36266
PROJECTED ANSWERS:               0 TO        0

L4            0 SEA SSS SAM L3

=> s l3 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 18:09:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    34194 TO ITERATE

100.0% PROCESSED    34194 ITERATIONS                                5 ANSWERS
SEARCH TIME: 00.00.01

L5            5 SEA SSS FUL L3

=> file hcaplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               180.66     180.87

FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)
```


Updated Search

10539512

FILE COVERS 1907 - 19 Jun 2008 VOL 148 ISS 25
FILE LAST UPDATED: 18 Jun 2008 (20080618/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l5
L6   1 L5

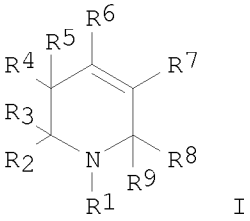
=> d l6, ibib abs hitstr, 1

L6   ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:565201 HCAPLUS
DOCUMENT NUMBER: 141:123564
TITLE: Preparation of tetrahydropyridine derivatives as
                         mitotic kinesin inhibitors
INVENTOR(S):   Fraley, Mark E.; Garbaccio, Robert M.; Olson, Christy
                         M.; Tasber, Edward S.
PATENT ASSIGNEE(S):   Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 75 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058700	A2	20040715	WO 2003-US40256	20031216
WO 2004058700	A3	20041014		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2508956	A1	20040715	CA 2003-2508956	20031216
AU 2003299672	A1	20040722	AU 2003-299672	20031216
EP 1578724	A2	20050928	EP 2003-799957	20031216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006516142	T	20060622	JP 2004-563694	20031216
US 20060052611	A1	20060309	US 2005-539512	20050617
PRIORITY APPLN. INFO.:			US 2002-435339P P	20021220
			WO 2003-US40256 W	20031216

OTHER SOURCE(S):   MARPAT 141:123564
GI

Updated Search



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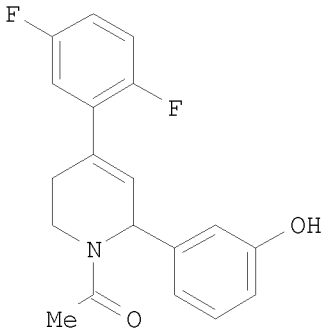


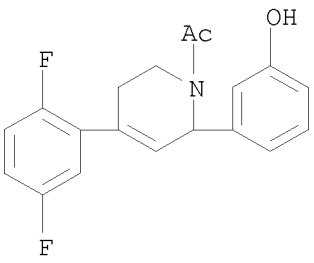
II

AB The title compds. I [R1 = (C1-C6-alkylene)n-X-R, (n = 0 or 1; X = CO, SO2, NH, etc.; R = (cyclo)alkyl, alkenyl, alkynyl, aryl, amino group, etc.), aryl, heterocyclyl, or alkyl; R2, R3, R4, R5, R9 = H, carboxyalkyl, O-perfluoroalkyl, oxo, OH, halo, CN, etc.; R6, R8 = (substituted)(cyclo)alkyl, (substituted)aryl, (substituted)heterocyclyl; R7 = H, alkyl, alkenyl, alkynyl, CN, halo, COOH, etc.] were prepared for treating cellular proliferative diseases, and disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. For example, compound II was prepared in a multi-step synthesis stating from 4-methoxypyridine. The latter showed kinase inhibitory activity with IC50 ≤ 15 μM in the kinesin ATPase In Vitro assay.

IT 723342-05-0P 723342-21-0P 723342-22-1P
723342-23-2P 723342-24-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)

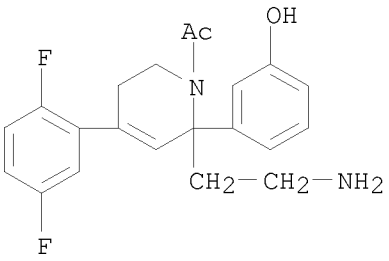
RN 723342-05-0 HCAPLUS

CN Ethanone, 1-[4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)

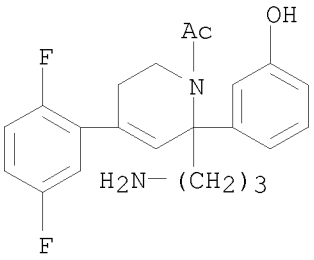


RN 723342-21-0 HCAPLUS

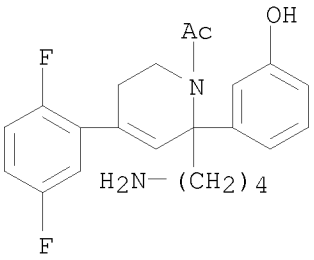
CN Ethanone, 1-[2-(2-aminoethyl)-4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



RN 723342-22-1 HCAPLUS
CN Ethanone, 1-[2-(3-aminopropyl)-4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



RN 723342-23-2 HCAPLUS
CN Ethanone, 1-[2-(4-aminobutyl)-4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



RN 723342-24-3 HCAPLUS
CN Ethanone, 1-[4-(2,5-difluorophenyl)-5,6-dihydro-2-(hydroxymethyl)-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)

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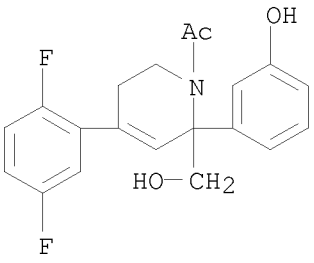


```
=> file caold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       8.14     189.01

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -0.80      -0.80

FILE 'CAOLD' ENTERED AT 18:09:18 ON 19 JUN 2008
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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  New CAS Information Use Policies, enter HELP USAGETERMS for details.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> d his

     (FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

     FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
L1             STRUCTURE UPLOADED
L2           9 S L1
L3             STRUCTURE UPLOADED
L4           0 S L3
L5           5 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
L6           1 S L5
```

Updated Search

10539512

FILE 'CAOLD' ENTERED AT 18:09:18 ON 19 JUN 2008

=> s l5
L7 0 L5

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	189.47

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

FILE 'REGISTRY' ENTERED AT 18:09:24 ON 19 JUN 2008
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provided by InfoChem.

STRUCTURE FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9
DICTIONARY FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

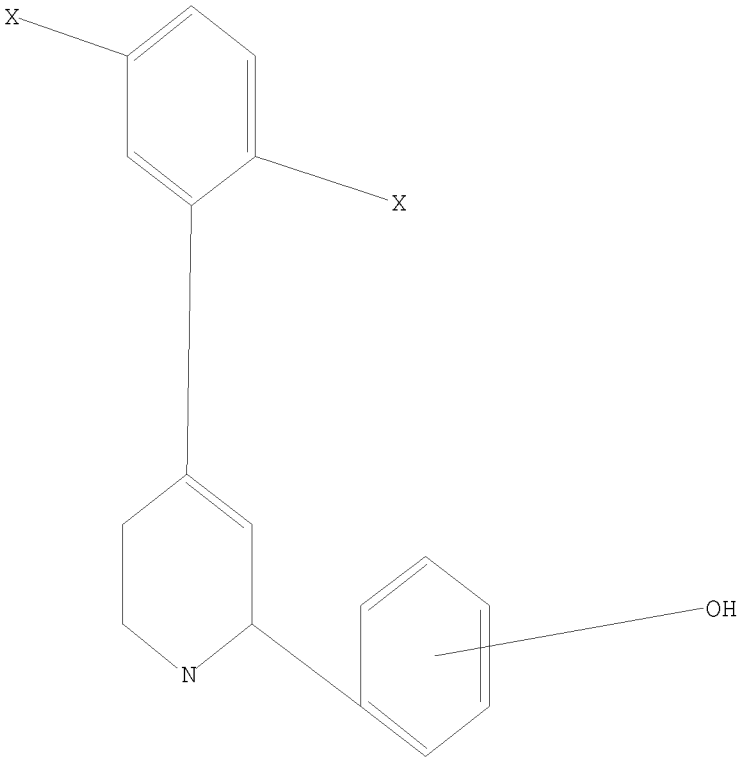
=>
Uploading C:\Documents and Settings\brobinson1\My
Documents\stnweb\Queries\easdfv.str

L8 STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8 STR

Updated Search

10539512



Structure attributes must be viewed using STN Express query preparation.

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=> s l8
SAMPLE SEARCH INITIATED 18:10:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     8305 TO ITERATE

 24.1% PROCESSED     2000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       160637 TO   171563
PROJECTED ANSWERS:               1 TO      205

L9            1 SEA SSS SAM L8

=> s l8 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 18:11:05 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   168386 TO ITERATE

100.0% PROCESSED   168386 ITERATIONS                             149 ANSWERS
SEARCH TIME: 00.00.01
```

Updated Search

10539512

L10 149 SEA SSS FUL L8

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	179.28	368.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.80

FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 19 Jun 2008 VOL 148 ISS 25
FILE LAST UPDATED: 18 Jun 2008 (20080618/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l10
L11 5 L10

=> s l11 and fraley, m?/au
104 FRALEY, M?/AU
L12 1 L11 AND FRALEY, M?/AU

=> d l12, ibib abs hitstr, 1

L12 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:565201 HCAPLUS
DOCUMENT NUMBER: 141:123564
TITLE: Preparation of tetrahydropyridine derivatives as mitotic kinesin inhibitors
INVENTOR(S): Fraley, Mark E.; Garbaccio, Robert M.; Olson, Christy M.; Tasber, Edward S.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

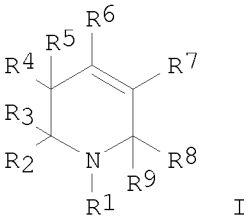
Updated Search

10539512

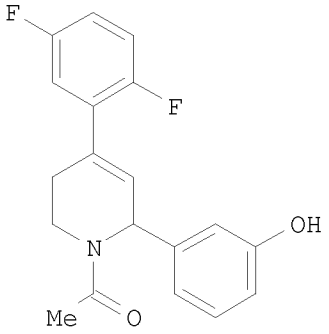
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058700	A2	20040715	WO 2003-US40256	20031216
WO 2004058700	A3	20041014		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2508956	A1	20040715	CA 2003-2508956	20031216
AU 2003299672	A1	20040722	AU 2003-299672	20031216
EP 1578724	A2	20050928	EP 2003-799957	20031216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006516142	T	20060622	JP 2004-563694	20031216
US 20060052611	A1	20060309	US 2005-539512	20050617
PRIORITY APPLN. INFO.:			US 2002-435339P P	20021220
			WO 2003-US40256 W	20031216

OTHER SOURCE(S): MARPAT 141:123564
GI



I



II

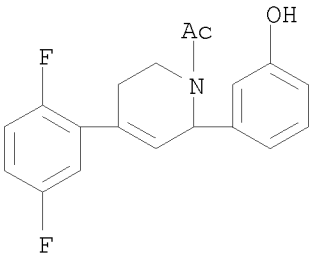
AB The title compds. I [R1 = (C1-C6-alkylene)n-X-R, (n = 0 or 1; X = CO, SO2, NH, etc.; R = (cyclo)alkyl, alkenyl, alkynyl, aryl, amino group, etc.), aryl, heterocyclyl, or alkyl; R2, R3, R4, R5, R9 = H, carboxyalkyl, O-perfluoroalkyl, oxo, OH, halo, CN, etc.; R6, R8 = (substituted)(cyclo)alkyl, (substituted)aryl, (substituted)heterocyclyl; R7 = H, alkyl, alkenyl, alkynyl, CN, halo, COOH, etc.] were prepared for treating cellular proliferative diseases, and disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. For example, compound II was prepared in a multi-step synthesis stating from 4-methoxypyridine. The latter showed kinase inhibitory activity with IC50 ≤ 15 μM in

Updated Search

the kinesin ATPase In Vitro assay.

IT 723342-05-0P 723342-09-4P 723342-13-0P
723342-14-1P 723342-15-2P 723342-21-0P
723342-22-1P 723342-23-2P 723342-24-3P
723342-28-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)

RN 723342-05-0 HCAPLUS
CN Ethanone, 1-[4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



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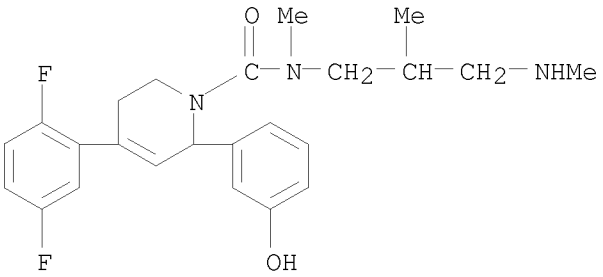
CN 1(2H)-Pyridinecarboxamide, 4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-N-methyl-N-[2-methyl-3-(methylamino)propyl]- (CA INDEX NAME)



RN 723342-13-0 HCAPLUS
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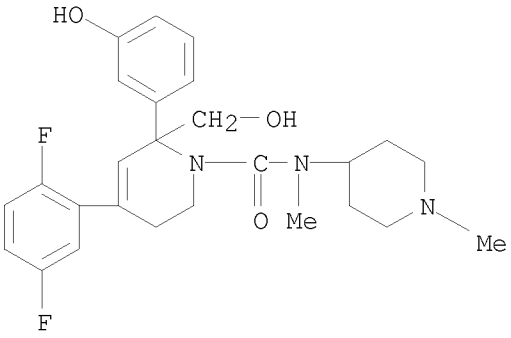
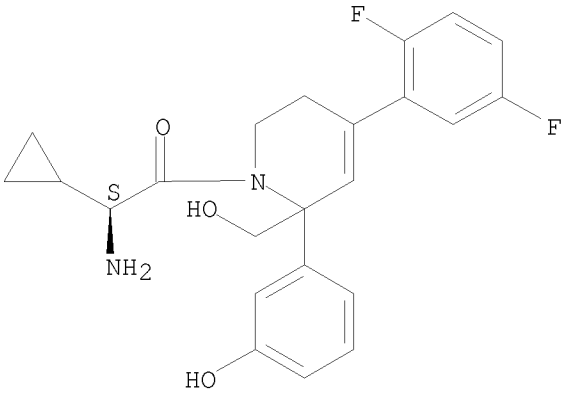
10539512



RN 723342-14-1 HCAPLUS
CN Ethanone, 2-amino-2-cyclopropyl-1-[4-(2,5-difluorophenyl)-5,6-dihydro-2-(hydroxymethyl)-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



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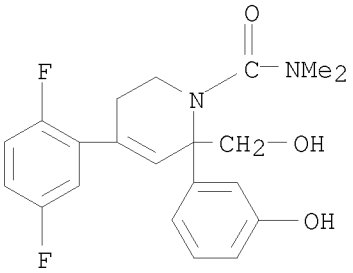

RN 723342-21-0 HCAPLUS
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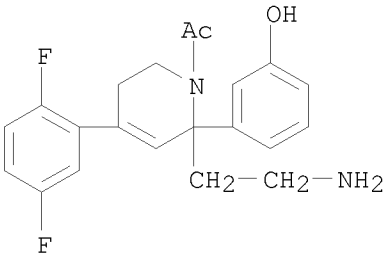
Updated Search

hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



RN 723342-22-1 HCAPLUS
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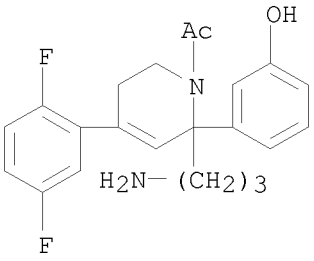

RN 723342-23-2 HCAPLUS
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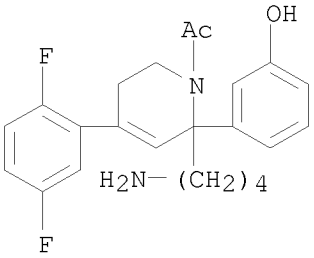

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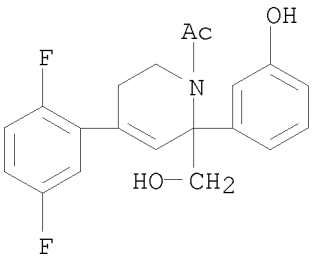
10539512



RN 723342-28-7 HCAPLUS
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CRN 723342-09-4
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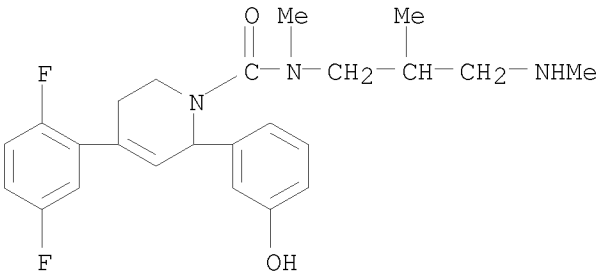
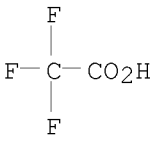


CM 2

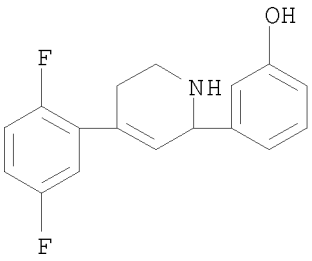
CRN 76-05-1
CMF C2 H F3 O2



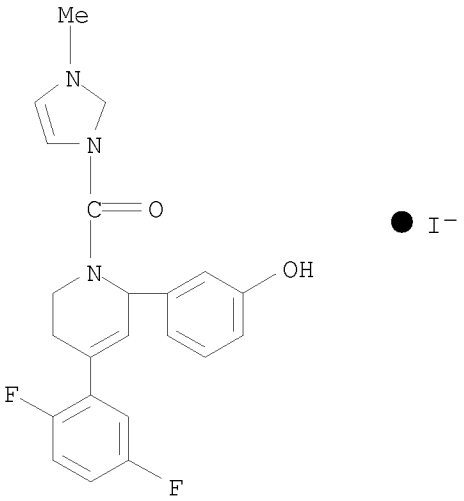
IT 723342-35-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)
RN 723342-35-6 HCAPLUS
CN Phenol, 3-[4-(2,5-difluorophenyl)-1,2,5,6-tetrahydro-2-pyridinyl]- (CA INDEX NAME)

Updated Search

10539512



IT 723342-36-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)
RN 723342-36-7 HCAPLUS
CN 1H-Imidazolium, 3-[[4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]carbonyl]-1-methyl-, iodide (1:1) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

=> d his

(FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
L1 STRUCTURE UPLOADED
L2 9 S L1
L3 STRUCTURE UPLOADED
L4 0 S L3
L5 5 S L3 FULL

FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
L6 1 S L5

Updated Search

10539512

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     FILE 'REGISTRY' ENTERED AT 18:09:24 ON 19 JUN 2008
L8               STRUCTURE UPLOADED
L9            1 S L8
L10         149 S L8 FULL

     FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
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=> s l11 not l12
L13           4 L11 NOT L12

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             54 GARBACCIO, R?/AU
L14           0 L13 AND GARBACCIO, R?/AU

=> s l13 and olson, c?/au
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=> s l13 and tasber, e?/au
             16 TASBER, E?/AU
L16           0 L13 AND TASBER, E?/AU

=> d l13, ibib abs hitstr, 1-4

L13  ANSWER 1 OF 4  HCAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2008:43784  HCAPLUS
DOCUMENT NUMBER:          148:144792
TITLE:                    Preparation of chalcone, 3-cyano-4,6-diphenylpyridine,
                          4,6-diphenylpyrimidine derivatives as antibacterial
                          agents and related screening methods using small
                          molecule macroarrays
INVENTOR(S):              Blackwell, Helen E.; Bowman, Matthew D.; O'Neill,
                          Jennifer C.; Stringer, Joseph R.
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 98pp.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     US 20080009528        A1    20080110    US 2007-749573          20070516
     WO 2008016738         A2    20080207    WO 2007-US69069         20070516
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,
             CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB,
             GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM,
             KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG,
             MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT,
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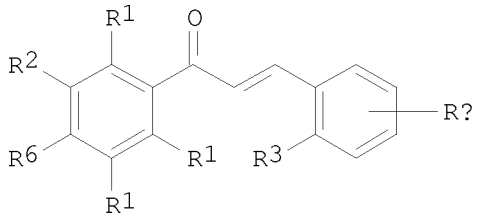
Updated Search

RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2006-747628P P 20060518
OTHER SOURCE(S): MARPAT 148:144792

GI



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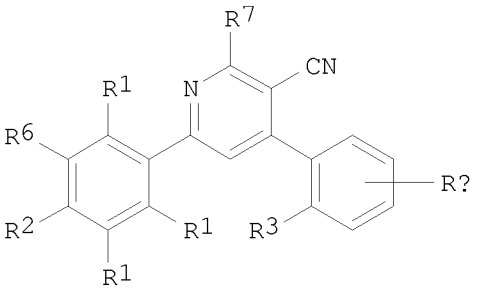
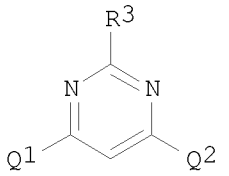


II



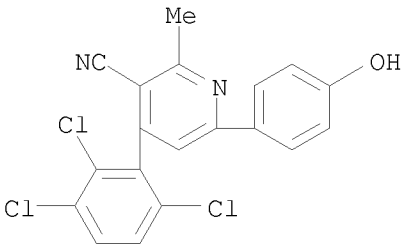
III

AB Chalcone derivs. [I; R1 = H, Me, NH2, each (un)substituted C1-8 alkyl, C1-8 alkenyl, C1-8 alkynyl, C1-8 alkoxy, OH, cyano, N3, NO2 ; R2, R6 = H, Me, Et, n-pr, n-Bu, n-pentyl, OH, OMe, OEt, n-propoxy, n-butoxy, n-pentyloxy; RA = 1-4 groups selected from groups listed in R1, F, Cl, Br, iodo, (CF2)nCF3; n = 0-3,5], 3-cyano-4,6-diphenylpyridine derivs. [II; R1, R2, R6, R3 = same as above; RB = 1-4 groups selected from groups listed in RA; R7 = H, Me, each (un)substituted C1-8 alkyl, C1-8 alkenyl, or C1-8 alkynyl], and 4,6-diphenylpyrimidine derivs. (III) (Q1 = 4-hydroxyphenyl, 3-hydroxyphenyl, 3-hydroxy-4-methoxyphenyl; Q2 = 3-bromophenyl, 6-bromopyridin-2-yl, 2-bromophenyl, 3-bromo-4-methoxyphenyl, 3-bromo-4,5-dimethoxyphenyl, 3-bromo-6-methoxyphenyl, 3-chlorophenyl, 2-chlorophenyl, 3,4-dichlorophenyl, 2,4-dichlorophenyl, 2,3-dichlorophenyl, 2,3,6-trichlorophenyl, 3-trifluoromethylphenyl, 3,5-bis(trifluoromethyl)phenyl, 1,3-benzodioxol-5-yl; R3 = Me, NH2) or pharmaceutically acceptable salts or esters thereof are prepared The present invention relates generally to compds. providing antibacterial therapeutic agents and prepns., and related methods of using and making antibacterial compds. These compds. having multiple electron withdrawing group substituents, such as halogens and fluorinated alkyl groups, and optionally having hydroxyl and/or alkoxyl groups substituents exhibit min.

inhibitory concns. (MIC) similar to or less than conventional antibacterial compds. widely used. Thus, 2.36 g acetamidine hydrochloride, 2.81 g KOtBu, 50 mL N,N-dimethylacetamide were sonicated for 15 min. A 30 mL portion of the resulting solution was decanted away and added to 250 mg 4-bromo-3'-methoxy-4'-(tetrahydropyranyloxy)chalcone. The resulting solution was heated at 110° for 20 h under an O2 atmosphere, followed by distilling away the solvent under reduced pressure, and treating with 10 mL CF3CO2H and 10 mL H2O. The solution was stirred for 1 h at room temperature to give 4-(4-bromophenyl)-6-(4-hydroxy-3-methoxyphenyl)-2-methylpyrimidine (IV). IV and 3'-hydroxy-3,5-bis(trifluoromethyl)chalcone showed min. inhibitory concentration of 3.0±0.5 and 10.0±0.5 μM, resp., against methicillin-resistance Staphylococcus aureus ATCC 33591 (MRSA), as compared to 8.0±1.0 and 0.9±0.1 μM for linezolid and ciprofloxacin, resp.

IT 947233-29-6P, 3-Cyano-2-methyl-4-(2,3,6-trichlorophenyl)-6-(4-hydroxyphenyl)pyridine 1001026-83-0P, 3-Cyano-2-methyl-4-(2,3,6-trichlorophenyl)-6-(3-hydroxyphenyl)pyridine
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of chalcone, 3-cyano-4,6-diphenylpyridine, 4,6-diphenylpyrimidine derivs. as antibacterial agents and related screening methods using small mol. macroarrays)

RN 947233-29-6 HCAPLUS
CN 3-Pyridinecarbonitrile, 6-(4-hydroxyphenyl)-2-methyl-4-(2,3,6-trichlorophenyl)- (CA INDEX NAME)



RN 1001026-83-0 HCAPLUS
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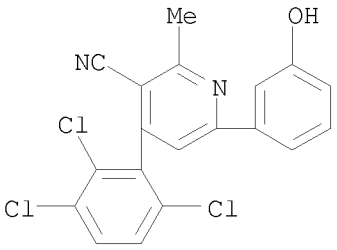
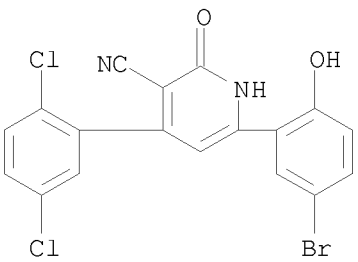


10539512

L13 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:526100 HCAPLUS
DOCUMENT NUMBER: 147:112375
TITLE: Discovery of a novel small molecule binding site of human survivin
AUTHOR(S): Wendt, Michael D.; Sun, Chaohong; Kunzer, Aaron; Sauer, Daryl; Sarris, Kathy; Hoff, Ethan; Yu, Liping; Nettesheim, David G.; Chen, Jun; Jin, Sha; Comess, Kenneth M.; Fan, Yihong; Anderson, Steven N.; Isaac, Binumol; Olejniczak, Edward T.; Hajduk, Philip J.; Rosenberg, Saul H.; Elmore, Steven W.
CORPORATE SOURCE: Cancer Research, Global Pharmaceutical R&D, Abbott Laboratories, Abbott Park, IL, 60064-6101, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2007), 17(11), 3122-3129
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 147:112375
AB Survivin is one of the most tumor-specific genes in the human genome and is an attractive target for cancer therapy. However, small-mol. ligands for survivin have not yet been described. Thus, an interrogation of survivin which could potentially both validate a small-mol. therapy approach, and determine the biochem. nature of any of survivin's functions has not been possible. Here we describe the discovery and characterization of a small mol. binding site on the survivin surface distinct from the Smac peptide-binding site. The new site is located at the dimer interface and exhibits many of the features of highly drugable, biol. relevant protein binding sites. A variety of small hydrophobic compds. were found that bind with moderate affinity to this binding site, from which one lead was developed into a group of compds. with nanomolar affinity. Addnl., a subset of these compds. are adequately water-soluble and cell-permeable. Thus, the structural studies and small mols. described here provide tools that can be used to probe the biochem. role(s) of survivin, and may ultimately serve as a basis for the development of small mol. therapeutics acting via direct or allosteric disruption of binding events related to this poorly understood target.
IT 931112-06-0 931112-26-4 931112-42-4
943126-98-5 943126-99-6
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(characterization of a small mol. binding site of human survivin)
RN 931112-06-0 HCAPLUS
CN 3-Pyridinecarbonitrile, 6-(5-bromo-2-hydroxyphenyl)-4-(2,5-dichlorophenyl)-1,2-dihydro-2-oxo- (CA INDEX NAME)



Updated Search

RN 931112-26-4 HCAPLUS
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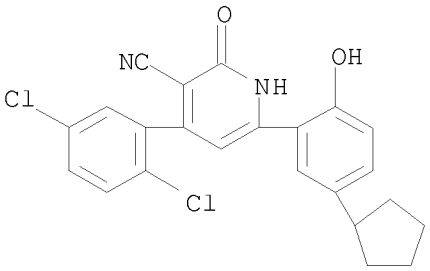

RN 931112-42-4 HCAPLUS
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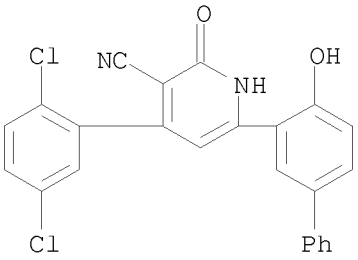

RN 943126-98-5 HCAPLUS
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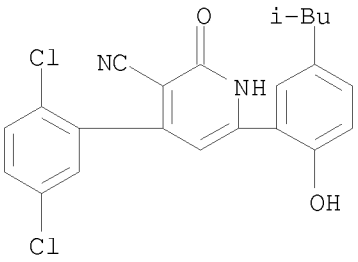
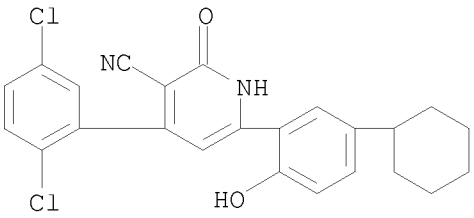


RN 943126-99-6 HCAPLUS
CN 3-Pyridinecarbonitrile, 6-(5-cyclohexyl-2-hydroxyphenyl)-4-(2,5-dichlorophenyl)-1,2-dihydro-2-oxo- (CA INDEX NAME)

Updated Search

10539512

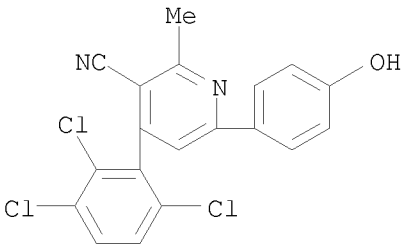


REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:472171 HCAPLUS
DOCUMENT NUMBER: 147:295290
TITLE: Rapid identification of antibacterial agents effective against Staphylococcus aureus using small-molecule macroarrays
AUTHOR(S): Bowman, Matthew D.; O'Neill, Jennifer C.; Stringer, Joseph R.; Blackwell, Helen E.
CORPORATE SOURCE: Department of Chemistry, University of Wisconsin, Madison, WI, 53706, USA
SOURCE: Chemistry & Biology (Cambridge, MA, United States) (2007), 14(4), 351-357
CODEN: CBOLE2; ISSN: 1074-5521
PUBLISHER: Cell Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB There is an urgent, global need for the development of new antibacterial agents. We have applied the small-mol. macroarray approach to the synthesis and screening of antibacterial compds. active against the Gram-pos. pathogen Staphylococcus aureus. Several macroarrays of 1,3-diphenyl-2-propen-1-ones (chalcones), cyanopyridines, and pyrimidines were synthesized on a planar cellulose support system on the order of days. This support system was found to be highly compatible with antibacterial assay formats, including disk-diffusion and agar-overlay visualization methods. Further, sufficient compound was isolated from each spot of the macroarray for both compound characterization and min. inhibitory concentration (MIC) estimation Anal. of the small-mol. macroarrays in these assays uncovered a set of antibacterial agents with in vitro MIC values against methicillin-resistant S. aureus comparable to certain antibacterial drugs in use today.
IT 947233-29-6P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(rapid identification of antibacterial agents effective against Staphylococcus aureus using small-mol. macroarrays)
RN 947233-29-6 HCAPLUS
CN 3-Pyridinecarbonitrile, 6-(4-hydroxyphenyl)-2-methyl-4-(2,3,6-trichlorophenyl)- (CA INDEX NAME)

Updated Search

10539512



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:359039 HCAPLUS
DOCUMENT NUMBER: 146:379835
TITLE: Preparation of cyanopyridones as survivin inhibitors
INVENTOR(S): Wendt, Michael D.; Sun, Chaohong; Sauer, Daryl R.; Elmore, Steven W.; Kunzer, Aaron R.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 35pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 20070072833	A1	20070329	US 2006-529845		20060929
PRIORITY APPLN. INFO.:			US 2005-721634P	P	20050929

OTHER SOURCE(S): MARPAT 146:379835
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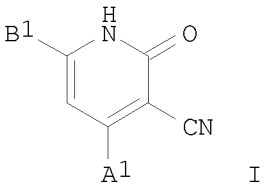


I

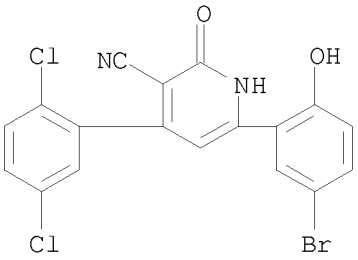
AB Title compds. [I; A1, B1 = R1, OR1, SOR1, SO2R1, COR1, CO2R1, NHCOR1, SO2NHR1, NHSO2NHR1, etc.; R1 = (fused) Ph, heteroaryl, cycloalkyl, cycloalkenyl, heterocycloalkyl, (substituted) alkyl, alkenyl, alkynyl], were prepared Thus, 5-bromo-2-hydroxyacetophenone, 4-methylbenzaldehyde, Et cyanoacetate, and ammonium acetate were refluxed together in EtOH for 6 h to give 6-(5-bromo-2-hydroxyphenyl)-4-(4-methylphenyl)-2-oxo-1,2-dihydro-3-pyridinecarbonitrile. I bound to survivin with binding affinities of 0.037-29 μM.

IT 931112-06-0P 931112-09-3P 931112-15-1P
931112-16-2P 931112-18-4P 931112-19-5P

Updated Search

931112-20-8P 931112-21-9P 931112-22-0P
931112-23-1P 931112-24-2P 931112-25-3P
931112-26-4P 931112-27-5P 931112-28-6P
931112-38-8P 931112-42-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cyanopyridones as survivin inhibitors)

RN 931112-06-0 HCAPLUS
CN 3-Pyridinecarbonitrile, 6-(5-bromo-2-hydroxyphenyl)-4-(2,5-dichlorophenyl)-1,2-dihydro-2-oxo- (CA INDEX NAME)



RN 931112-09-3 HCAPLUS
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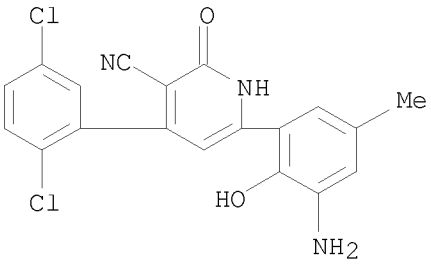

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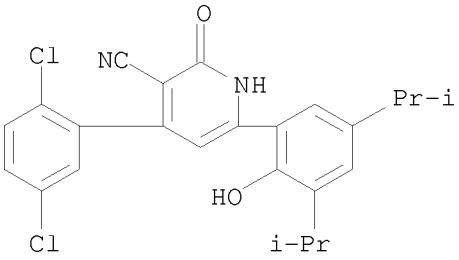

Updated Search

RN 931112-16-2 HCAPLUS
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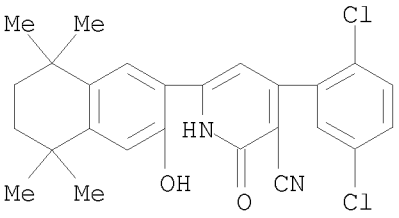
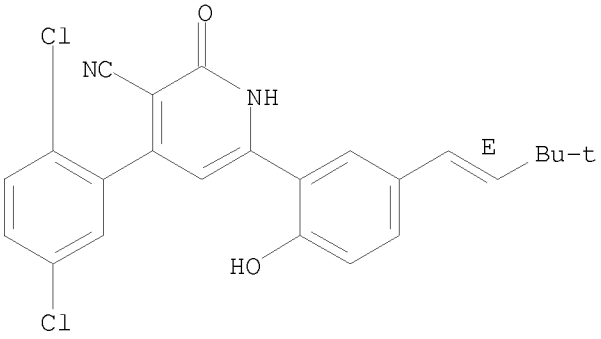


RN 931112-18-4 HCAPLUS
CN 3-Pyridinecarbonitrile, 4-(2,5-dichlorophenyl)-6-[5-[(1E)-3,3-dimethyl-1-buten-1-yl]-2-hydroxyphenyl]-1,2-dihydro-2-oxo- (CA INDEX NAME)

Double bond geometry as shown.



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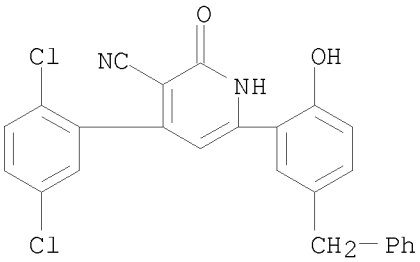

RN 931112-20-8 HCAPLUS
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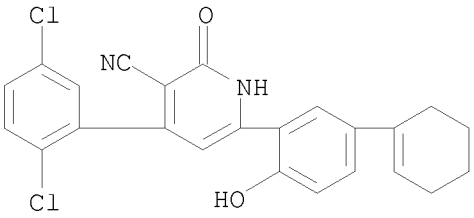
Updated Search



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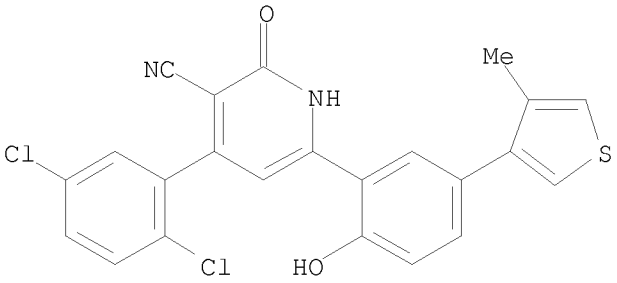

RN 931112-22-0 HCAPLUS
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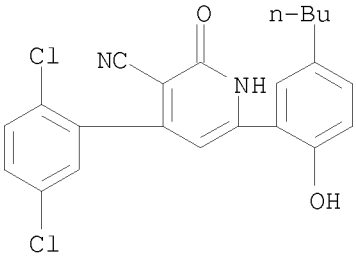

RN 931112-23-1 HCAPLUS
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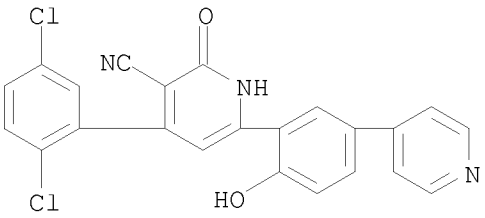

RN 931112-24-2 HCAPLUS
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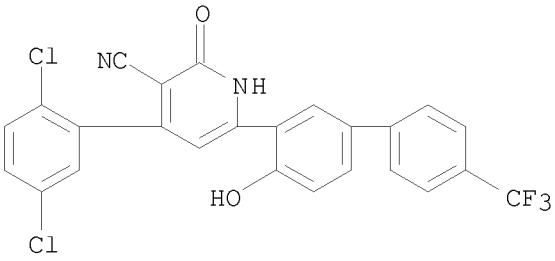

RN 931112-25-3 HCAPLUS
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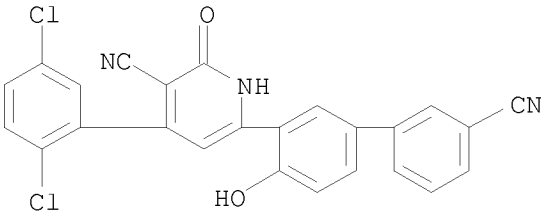

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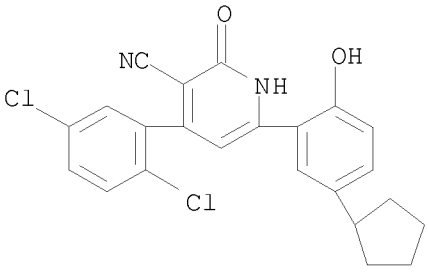

Updated Search

RN 931112-27-5 HCAPLUS
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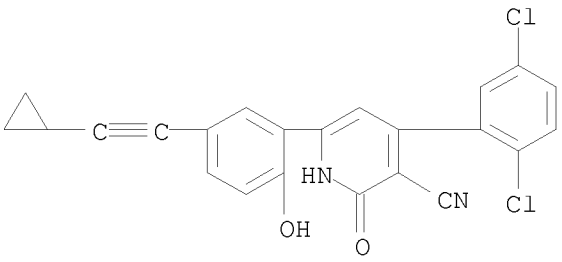

RN 931112-28-6 HCAPLUS
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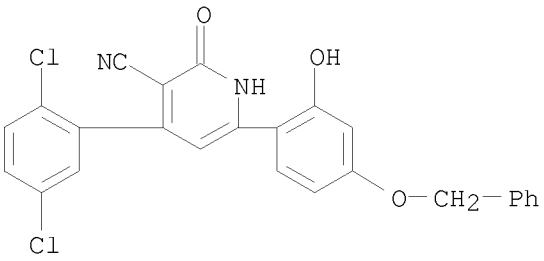

RN 931112-38-8 HCAPLUS
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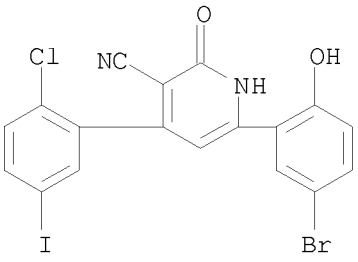
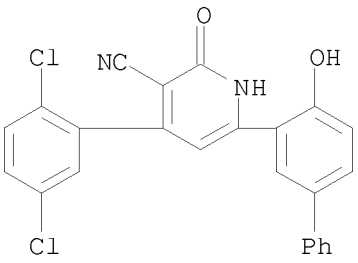


RN 931112-42-4 HCAPLUS
CN 3-Pyridinecarbonitrile, 4-(2,5-dichlorophenyl)-1,2-dihydro-6-(4-hydroxy[1,1'-biphenyl]-3-yl)-2-oxo- (CA INDEX NAME)

Updated Search

10539512

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                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      32.63     401.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -4.00      -4.80

FILE 'CAOLD' ENTERED AT 18:12:10 ON 19 JUN 2008
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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.  Title keywords, authors, patent
  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

  New CAS Information Use Policies, enter HELP USAGETERMS for details.

  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> d his

     (FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

     FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
L1             STRUCTURE UPLOADED
L2           9 S L1
L3             STRUCTURE UPLOADED
L4           0 S L3
L5           5 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
L6           1 S L5
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Updated Search

10539512

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L7            0 S L5

     FILE 'REGISTRY' ENTERED AT 18:09:24 ON 19 JUN 2008
L8               STRUCTURE UPLOADED
L9            1 S L8
L10         149 S L8 FULL

     FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
L11           5 S L10
L12           1 S L11 AND FRALEY, M?/AU
L13           4 S L11 NOT L12
L14           0 S L13 AND GARBACCIO, R?/AU
L15           0 S L13 AND OLSON, C?/AU
L16           0 S L13 AND TASBER, E?/AU

     FILE 'CAOLD' ENTERED AT 18:12:10 ON 19 JUN 2008

=> s l10
L17          0 L10

=> file reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   0.46     401.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00      -4.80

FILE 'REGISTRY' ENTERED AT 18:12:43 ON 19 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   18 JUN 2008  HIGHEST RN 1029146-45-9
DICTIONARY FILE UPDATES:  18 JUN 2008  HIGHEST RN 1029146-45-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html
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Updated Search

10539512

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Uploading C:\Documents and Settings\brobinson1\My
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L18 STRUCTURE UPLOADED

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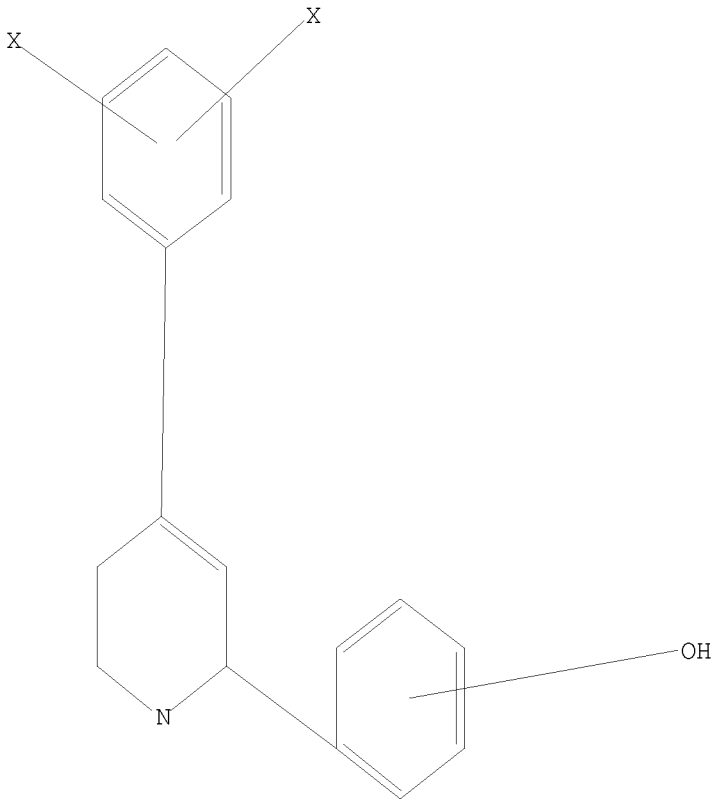

Structure attributes must be viewed using STN Express query preparation.

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8.5% PROCESSED 2000 ITERATIONS 9 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 462746 TO 481134
PROJECTED ANSWERS: 1505 TO 2741

Updated Search

10539512

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L19           9 SEA SSS SAM L18

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L20     STRUCTURE UPLOADED

=> s l20
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SAMPLE SCREEN SEARCH COMPLETED -     4182 TO ITERATE

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INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         79762 TO    87518
PROJECTED ANSWERS:              481 TO     1275

L21          21 SEA SSS SAM L20

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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
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FULL SCREEN SEARCH COMPLETED -    84983 TO ITERATE

100.0% PROCESSED    84983 ITERATIONS                            1090 ANSWERS
SEARCH TIME: 00.00.01

L22        1090 SEA SSS FUL L20

=> file hcaplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 180.20     582.04

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00      -4.80

FILE 'HCAPLUS' ENTERED AT 18:15:46 ON 19 JUN 2008
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Updated Search

FILE COVERS 1907 - 19 Jun 2008 VOL 148 ISS 25
FILE LAST UPDATED: 18 Jun 2008 (20080618/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

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L23          7 L22

=> d his

     (FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

     FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
L1             STRUCTURE UPLOADED
L2           9 S L1
L3             STRUCTURE UPLOADED
L4           0 S L3
L5           5 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
L6           1 S L5

     FILE 'CAOLD' ENTERED AT 18:09:18 ON 19 JUN 2008
L7           0 S L5

     FILE 'REGISTRY' ENTERED AT 18:09:24 ON 19 JUN 2008
L8             STRUCTURE UPLOADED
L9           1 S L8
L10        149 S L8 FULL

     FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
L11          5 S L10
L12          1 S L11 AND FRALEY, M?/AU
L13          4 S L11 NOT L12
L14          0 S L13 AND GARBACCIO, R?/AU
L15          0 S L13 AND OLSON, C?/AU
L16          0 S L13 AND TASBER, E?/AU

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L17          0 S L10

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L19          9 S L18
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L21         21 S L20
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=> s l24 and garbaccio, r?/au
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=> s l24 and olson, c?/au
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=> s l24 and tasber, e?/au
            16 TASBER, E?/AU
L28          0 L24 AND TASBER, E?/AU

=> d l24, ibib abs hitstr, 1-5

L24  ANSWER 1 OF 6  HCAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2007:41424  HCAPLUS
DOCUMENT NUMBER:          146:135568
TITLE:                    Arylaminopyridine agonists/antagonists of FXRα
                          NR1H4 for treatment of cholesterol or bile
                          acid-associated diseases, cancer, and drug resistance
INVENTOR(S):              Bauer, Ulrike; Cheruvallath, Zach; Deuschle, Ulrich;
                          Dneprovskaia, Elena; Gahman, Tim; Hermann, Kristina;
                          Hanecak, Ronnie; Hebert, Normand; Kiely, John; Kober,
                          Ingo; Kogl, Manfred; Kranz, Harald; Kremoser, Claus;
                          Lee, Matthew; Otte, Kerstin; Sage, Carlton; Sud,
                          Manish
PATENT ASSIGNEE(S):       Germany
SOURCE:                   U.S. Pat. Appl. Publ., 48pp., Cont.-in-part of U.S.
                          Ser. No. 185,721.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   5
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     US 20070010562       A1    20070111    US 2004-486748         20040920
     EP 1285914           A1    20030226    EP 2001-119473         20010813
     EP 1285914           B1    20071219
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     US 20030149087       A1    20030807    US 2002-185731         20020701
     US 6974830           B2    20051213
     US 20030187042       A1    20031002    US 2002-185721         20020701
     US 7034046           B2    20060425
     WO 2003016280        A1    20030227    WO 2002-EP9076         20020813
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

PRIORITY APPLN. INFO.: EP 2001-119473 A 20010813
US 2002-185721 A2 20020701
US 2002-185731 A2 20020701
WO 2002-EP9076 W 20020813

OTHER SOURCE(S): MARPAT 146:135568

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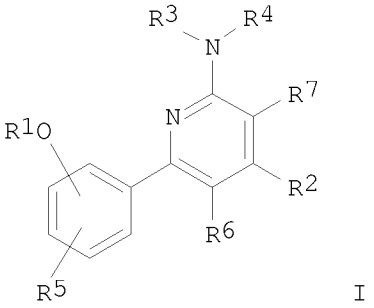


I

AB Title compds. I (R1 = H, (un)substituted C1-7-acyl; R2 = (un)substituted Ph, C5-6-heteroaryl, or naphthyl; R3,R4 = H, (un)substituted C1-8-alkyl, C7-12-alkylphenyl, or C3-8-cycloalkyl; or R3 and R4 may be taken together with an N atom to form an (un)substituted heterocycle; R5 = H, C1-8-alkyl, halo, C1-8-alkoxy, carboxy, ester, amide, C1-8-aminoacyl; R6 = H, (un)substituted C1-8-alkyl; R7 = H, F, Cl, Me, CF3) are agonists and antagonists of the farnesoid X receptor α/NR1HR. I (R1 = H resulting in 2-hydroxyphenyl; R2 = 2,6-difluorophenyl; R3,R5-7 = H; R4 = 4-carboxycyclohexylamethyl) possessed EC50 values ranging from 0.5-4.8 in an HEK293 cell line containing an FXR response element-controlled reporter gene. The invention further relates to the treatment of diseases and/or conditions through binding of said nuclear receptor by said compds. and the production of medicaments using said compds.

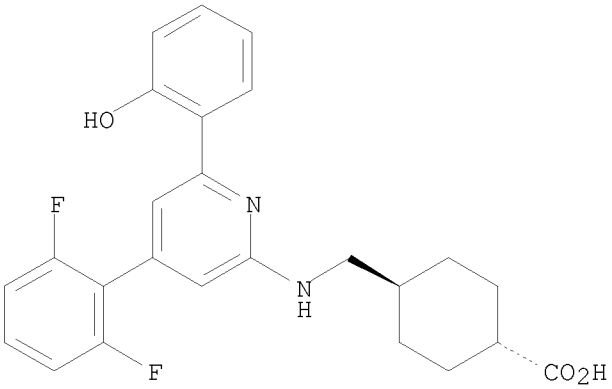
IT 499105-96-3, LN 12996 499105-99-6, LN 12196
499106-02-4, LN 8996
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(arylaminopyridine agonists/antagonists of FXRα NR1H4 for treatment of cholesterol or bile acid-associated diseases, cancer, and drug resistance)

RN 499105-96-3 HCAPLUS

CN Cyclohexanecarboxylic acid, 4-[[[4-(2,6-difluorophenyl)-6-(2-hydroxyphenyl)-2-pyridinyl]amino]methyl]-, trans- (CA INDEX NAME)

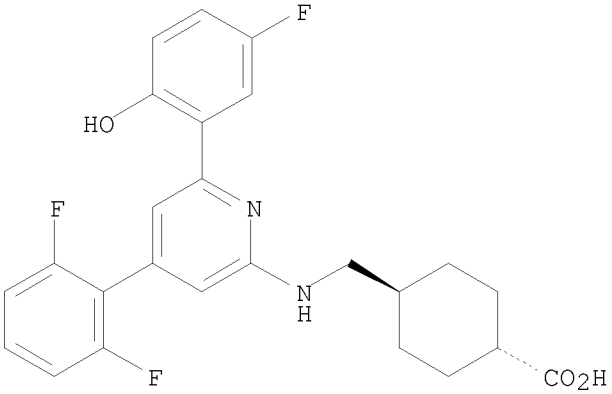
10539512

Relative stereochemistry.

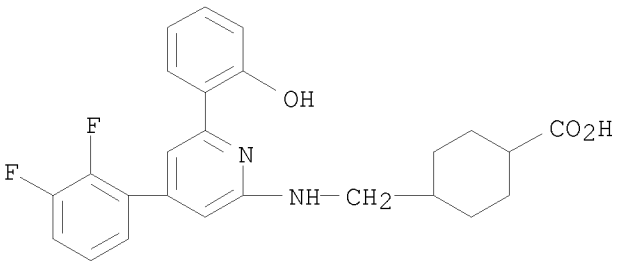


RN 499105-99-6 HCAPLUS
CN Cyclohexanecarboxylic acid, 4-[[[4-(2,6-difluorophenyl)-6-(5-fluoro-2-hydroxyphenyl)-2-pyridinyl]amino]methyl]-, trans- (CA INDEX NAME)

Relative stereochemistry.



RN 499106-02-4 HCAPLUS
CN Cyclohexanecarboxylic acid, 4-[[[4-(2,3-difluorophenyl)-6-(2-hydroxyphenyl)-2-pyridinyl]amino]methyl]- (CA INDEX NAME)



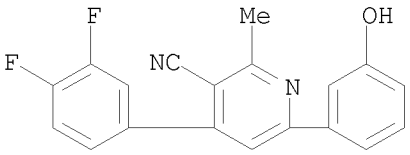
Updated Search

L24 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2006:267401 HCAPLUS
DOCUMENT NUMBER: 144:469666
TITLE: Discovery of fluorescent cyanopyridine and deazalumazine dyes using small molecule macroarrays
AUTHOR(S): Bowman, Matthew D.; Jacobson, Megan M.; Blackwell, Helen E.
CORPORATE SOURCE: Department of Chemistry, University of Wisconsin-Madison, Madison, WI, 53706-1322, USA
SOURCE: Organic Letters (2006), 8(8), 1645-1648
CODEN: ORLEF7; ISSN: 1523-7060
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 144:469666

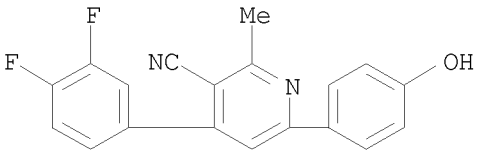
AB Small mol. macroarrays of cyanopyridines and deazalumazines were generated in high purities via spatially addressed synthesis on planar cellulose supports. Examination of the spectral properties of the heterocycles both on and off of the planar support revealed a set of promising new fluorescent dyes that exhibit high quantum yields, low pH dependence, and high sensitivity to solvent polarity.

IT 886584-70-9P 886584-77-6P 886584-79-8P
RL: CPN (Combinatorial preparation); PRP (Properties); TEM (Technical or engineered material use); CMBI (Combinatorial study); PREP (Preparation); USES (Uses)
(dye; preparation of fluorescent cyanopyridine and deazalumazine dyes using small mol. macroarrays)

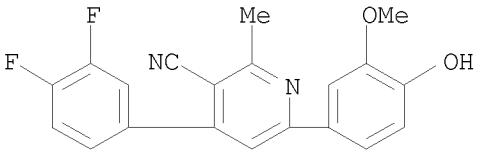
RN 886584-70-9 HCAPLUS
CN 3-Pyridinecarbonitrile, 4-(3,4-difluorophenyl)-6-(3-hydroxyphenyl)-2-methyl- (CA INDEX NAME)



RN 886584-77-6 HCAPLUS
CN 3-Pyridinecarbonitrile, 4-(3,4-difluorophenyl)-6-(4-hydroxyphenyl)-2-methyl- (CA INDEX NAME)



RN 886584-79-8 HCAPLUS
CN 3-Pyridinecarbonitrile, 4-(3,4-difluorophenyl)-6-(4-hydroxy-3-methoxyphenyl)-2-methyl- (CA INDEX NAME)



REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:154404 HCAPLUS
DOCUMENT NUMBER: 138:210278
TITLE: Farnesoid X receptor-α (NR1H4 nuclear receptor)-binding compounds
INVENTOR(S): Bauer, Ulrike; Cheruvallath, Zach; Deuschle, Ulrich; Dneprovskaia, Elena; Gahman, Tim; Giegrich, Kristina; Hanecak, Ronnie; Hebert, Normand; Kiely, John; Kober, Ingo; Koegl, Manfred; Kranz, Harald; Kremoser, Claus; Lee, Matthew; Otte, Kerstin; Sage, Carlton; Sud, Manish
PATENT ASSIGNEE(S): Lion Bioscience AG, Germany
SOURCE: PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2003016280	A1	20030227	WO 2002-EP9076		20020813
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
EP 1285914	A1	20030226	EP 2001-119473		20010813
EP 1285914	B1	20071219			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
US 20030149087	A1	20030807	US 2002-185731		20020701
US 6974830	B2	20051213			
US 20030187042	A1	20031002	US 2002-185721		20020701
US 7034046	B2	20060425			
AU 2002329243	A1	20030303	AU 2002-329243		20020813
US 20070010562	A1	20070111	US 2004-486748		20040920
PRIORITY APPLN. INFO.:			EP 2001-119473	A	20010813
			US 2002-185721	A	20020701
			US 2002-185731	A	20020701

10539512

WO 2002-EP9076 W 20020813

OTHER SOURCE(S): MARPAT 138:210278

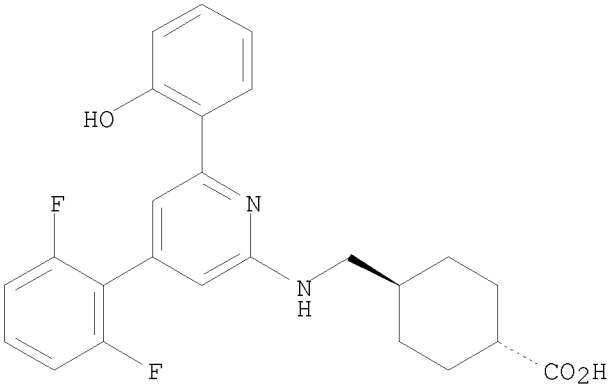
AB The present invention relates to compds. which bind to the NR1H4 receptor and act as agonists, antagonists or mixed agonists/antagonists of the NR1H4 receptor. The invention further relates to the treatment of diseases and/or conditions through binding of said nuclear receptor by said compds. and the production of medicaments using said compds.

IT 499105-96-3P 499105-99-6P 499106-02-4P
RL: PAC (Pharmacological activity); PNU (Preparation, unclassified); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(farnesoid X receptor-α (NR1H4 nuclear receptor)-binding compds. for therapeutic use)

RN 499105-96-3 HCAPLUS

CN Cyclohexanecarboxylic acid, 4-[[[4-(2,6-difluorophenyl)-6-(2-hydroxyphenyl)-2-pyridinyl]amino]methyl]-, trans- (CA INDEX NAME)

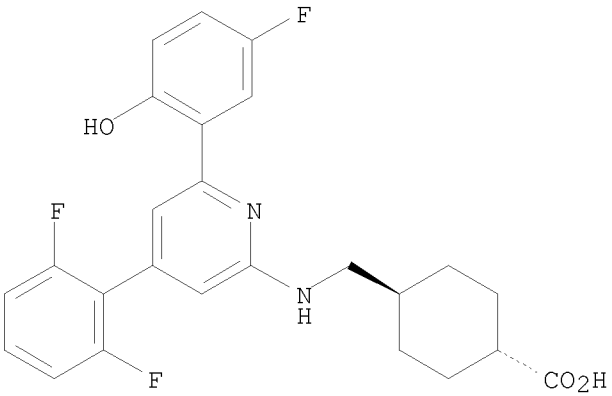
Relative stereochemistry.



RN 499105-99-6 HCAPLUS

CN Cyclohexanecarboxylic acid, 4-[[[4-(2,6-difluorophenyl)-6-(5-fluoro-2-hydroxyphenyl)-2-pyridinyl]amino]methyl]-, trans- (CA INDEX NAME)

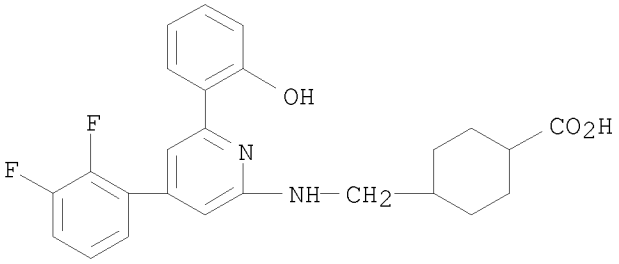
Relative stereochemistry.



Updated Search

10539512

RN 499106-02-4 HCAPLUS
CN Cyclohexanecarboxylic acid, 4-[[[4-(2,3-difluorophenyl)-6-(2-hydroxyphenyl)-2-pyridinyl]amino]methyl]- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:150615 HCAPLUS
DOCUMENT NUMBER: 138:204947
TITLE: Preparation of arylaminopyridines with Nr1h4 agonist and antagonistic behavior
INVENTOR(S): Bauer, Ulrike; Cheruvallath, Zach; Deuschle, Ulrich; Dneprovskaia, Elena; Forood, Behrouz; Gahman, Tim; Griffith, Michael; Hanecak, Ronnie; Hebert, Normand; Kiely, John; Kober, Ingo; Koegl, Manfred; Kremoser, Claus; Lee, Matthew; Levin, Nancy; MacDonald, James; Otte, Kerstin; Sage, Carleton; Sud, Manish
PATENT ASSIGNEE(S): Lion Bioscience AG, Germany
SOURCE: Eur. Pat. Appl., 48 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1285914	A1	20030226	EP 2001-119473	20010813
EP 1285914	B1	20071219		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 381542	T	20080115	AT 2001-119473	20010813
US 20030149087	A1	20030807	US 2002-185731	20020701
US 6974830	B2	20051213		
US 20030187042	A1	20031002	US 2002-185721	20020701
US 7034046	B2	20060425		
WO 2003016280	A1	20030227	WO 2002-EP9076	20020813
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				

Updated Search

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

WO 2003016288 A1 20030227 WO 2002-US25436 20020813
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WO 2003015771 A1 20030227 WO 2002-US25437 20020813
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WO 2003015777 A1 20030227 WO 2002-US25438 20020813
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AU 2002319804 A1 20030303 AU 2002-319804 20020813
AU 2002319805 A1 20030303 AU 2002-319805 20020813
AU 2002319806 A1 20030303 AU 2002-319806 20020813
AU 2002329243 A1 20030303 AU 2002-329243 20020813
US 20030130296 A1 20030710 US 2002-217141 20020813
US 7098336 B2 20060829
EP 1423370 A1 20040602 EP 2002-750472 20020813
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EP 1423111 A1 20040602 EP 2002-750473 20020813
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
EP 1423113 A1 20040602 EP 2002-750474 20020813
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US 20070010562 A1 20070111 US 2004-486748 20040920

PRIORITY APPLN. INFO.:
EP 2001-119473 A 20010813
US 2002-185721 A 20020701
US 2002-185731 A 20020701

WO 2002-EP9076	W	20020813
WO 2002-US25436	W	20020813
WO 2002-US25437	W	20020813
WO 2002-US25438	W	20020813

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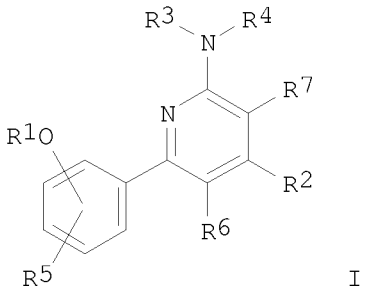


I

AB Title compds. I (R1 = H, C1-C7-acyl or substituted acyl; R2 = Ph, (un)substituted heteroaryl or naphthyl; R3 or R4 independently = H, (un)substituted alkyl, alkylphenyl, phenylalkyl; or R3 and R4 may be taken together with a N atom to form a (un)substituted heterocycle; or R4 may sep. equal carboxylcyclohexylalkyl; R5 = H, alkyl, halo, alkoxy, carboxy, ester or amide or aminoacyl; R6 = H, (un)substituted alkyl; R7 = H;) are prepared and disclosed as agonists and antagonists of the NR1HR receptor. Preparation of I were described as being prepared through solid-phase synthetic techniques. I possessed EC50 values ranging from 0.5-4.8. The invention further relates to the treatment of diseases and/or conditions through binding of said nuclear receptor by said compds. and the production of medicaments using said compds.

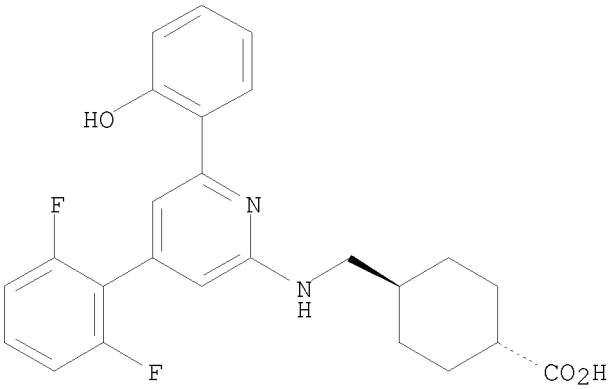
IT 499105-96-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation, Nr1h4 agonist and antagonist activity of arylaminopyridines)

RN 499105-96-3 HCAPLUS

CN Cyclohexanecarboxylic acid, 4-[[[4-(2,6-difluorophenyl)-6-(2-hydroxyphenyl)-2-pyridinyl]amino]methyl]-, trans- (CA INDEX NAME)

Relative stereochemistry.

10539512



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:421653 HCAPLUS
DOCUMENT NUMBER: 131:58753
TITLE: 2,4,6-Trisubstituted pyridines with estrogenic activity and methods for the solid-phase synthesis thereof
INVENTOR(S): Chiu, Chingfan; Tang, Zhilian; Ellingboe, John Watson
PATENT ASSIGNEE(S): American Home Products Corporation, USA
SOURCE: PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9932447	A2	19990701	WO 1998-US26363		19981210
WO 9932447	A3	19991014			
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
AU 9933528	A	19990712	AU 1999-33528		19981210
US 6384060	B1	20020507	US 2000-703297		20001101
US 6384057	B1	20020507	US 2000-703386		20001101
US 6384058	B1	20020507	US 2000-703519		20001101
US 6503917	B1	20030107	US 2000-703508		20001101
PRIORITY APPLN. INFO.:			US 1997-109802P	P	19971211
			US 1997-989057	A	19971211
			US 1998-209663	A3	19981210
			WO 1998-US26363	W	19981210

OTHER SOURCE(S): MARPAT 131:58753

Updated Search

10539512

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to (hydroxyaryl)pyridines I, II, and III [n = 1, 2; R1 = alkyl, cycloalkyl, Ph, R4C6H4 (R4 = H, F, Cl, Br, alkyl, cycloalkyl, alkoxy, methylenedioxy); R2 = furanyl, pyridyl, thienyl, naphthalenyl, Ph, R4C6H4; R3 = H, F, Cl, Br, NO2, alkyl, cycloalkyl, alkoxy], with estrogenic activity, to processes for their preparation, to a combinatorial library and solid phase methods for preparing libraries of the compds., to utilizing libraries of the compds. for drug discovery, and to methods of treatment and pharmaceutical compns. thereof. Thus, condensation of Wang resin bound 2-HOC6H4COMe with 3,4-F3C6H3CHO gave resin-bound 2-HOC6H4COCH:CHC6H3F2-3,4 which condensed with 4-ClC6H4C(:CH2)OSiMe3 to give resin-bound pentanedione IV. Cyclocondensation of IV with NH4OH and subsequent resin cleavage gave the trisubstituted pyridine V which at 1μM possessed 14% estrogenic activity in an estrogen receptor assay.

IT 217455-31-7P 217455-32-8P 217455-33-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of estrogenic hydroxyaryl trisubstituted pyridines by solid-phase and combinatorial library methodologies)

RN 217455-31-7 HCAPLUS
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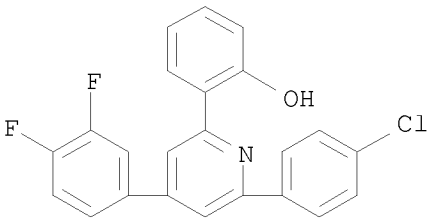

RN 217455-32-8 HCAPLUS
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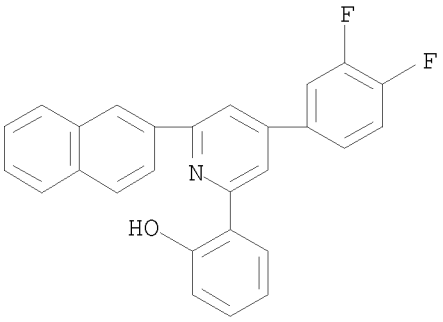
Updated Search

10539512



RN 217455-33-9 HCAPLUS
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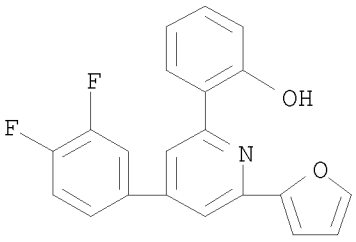

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L2 9 S L1
L3 STRUCTURE UPLOADED
L4 0 S L3
L5 5 S L3 FULL

FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
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FILE 'CAOLD' ENTERED AT 18:09:18 ON 19 JUN 2008
L7 0 S L5

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L8 STRUCTURE UPLOADED
L9 1 S L8
L10 149 S L8 FULL

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Updated Search

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L16           0 S L13 AND TASBER, E?/AU

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     FILE 'REGISTRY' ENTERED AT 18:12:43 ON 19 JUN 2008
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L22        1090 S L20 FULL

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L28           0 S L24 AND TASBER, E?/AU

=> s l23 nor l24
MISSING OPERATOR L23 NOR
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l23 not l24
L29           1 L23 NOT L24

=> d l29, ibib abs hitstr, 1

L29  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:         2004:565201  HCAPLUS
DOCUMENT NUMBER:          141:123564
TITLE:                    Preparation of tetrahydropyridine derivatives as
                          mitotic kinesin inhibitors
INVENTOR(S):              Fraley, Mark E.; Garbaccio, Robert M.; Olson, Christy
                          M.; Tasber, Edward S.
PATENT ASSIGNEE(S):       Merck & Co., Inc., USA
SOURCE:                   PCT Int. Appl., 75 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
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     WO 2004058700         A2    20040715    WO 2003-US40256         20031216
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             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
             OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
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TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2508956	A1	20040715	CA 2003-2508956	20031216
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EP 1578724	A2	20050928	EP 2003-799957	20031216
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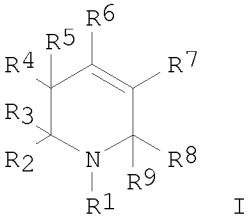
US 20060052611	A1	20060309	US 2005-539512	20050617
PRIORITY APPLN. INFO.:			US 2002-435339P P	20021220
			WO 2003-US40256 W	20031216

OTHER SOURCE(S): MARPAT 141:123564
GI



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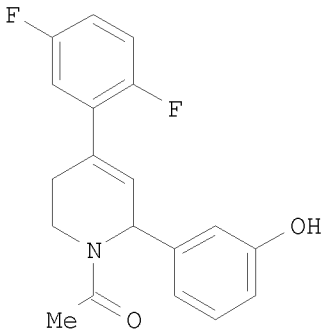


II

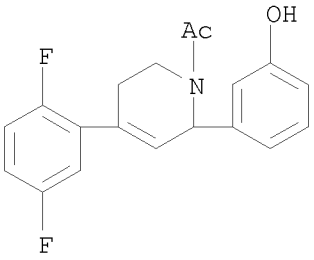
AB The title compds. I [R1 = (C1-C6-alkylene)n-X-R, (n = 0 or 1; X = CO, SO2, NH, etc.; R = (cyclo)alkyl, alkenyl, alkynyl, aryl, amino group, etc.), aryl, heterocyclyl, or alkyl; R2, R3, R4, R5, R9 = H, carboxyalkyl, O-perfluoroalkyl, oxo, OH, halo, CN, etc.; R6, R8 = (substituted)(cyclo)alkyl, (substituted)aryl, (substituted)heterocyclyl; R7 = H, alkyl, alkenyl, alkynyl, CN, halo, COOH, etc.] were prepared for treating cellular proliferative diseases, and disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. For example, compound II was prepared in a multi-step synthesis stating from 4-methoxypyridine. The latter showed kinase inhibitory activity with IC50 ≤ 15 μM in the kinesin ATPase In Vitro assay.

IT 723342-05-0P 723342-09-4P 723342-13-0P
723342-14-1P 723342-15-2P 723342-21-0P
723342-22-1P 723342-23-2P 723342-24-3P
723342-28-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)

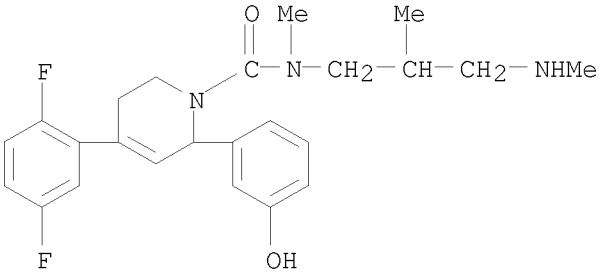
RN 723342-05-0 HCAPLUS

CN Ethanone, 1-[4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-

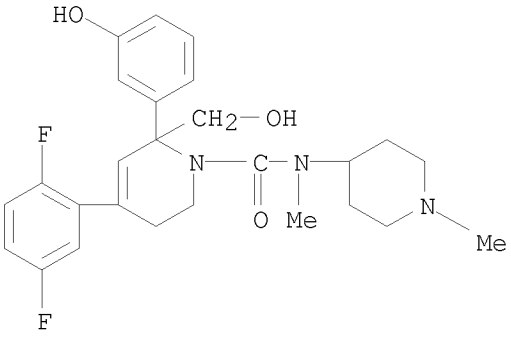
pyridinyl]- (CA INDEX NAME)



RN 723342-09-4 HCAPLUS
CN 1(2H)-Pyridinecarboxamide, 4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-N-methyl-N-[2-methyl-3-(methylamino)propyl]- (CA INDEX NAME)



RN 723342-13-0 HCAPLUS
CN 1(2H)-Pyridinecarboxamide, 4-(2,5-difluorophenyl)-5,6-dihydro-2-(hydroxymethyl)-2-(3-hydroxyphenyl)-N-methyl-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



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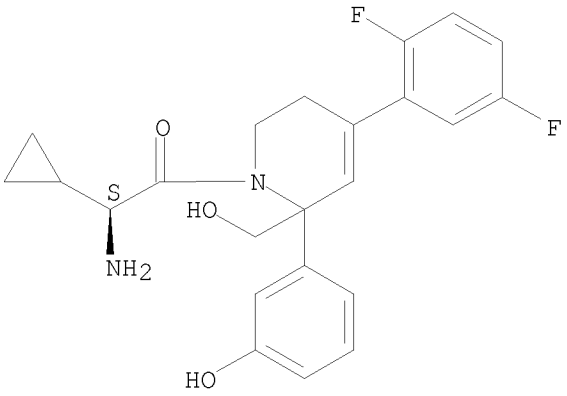
Updated Search

Absolute stereochemistry.



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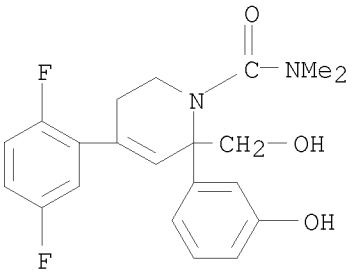

RN 723342-21-0 HCAPLUS
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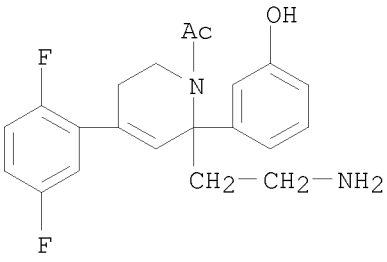

RN 723342-22-1 HCAPLUS
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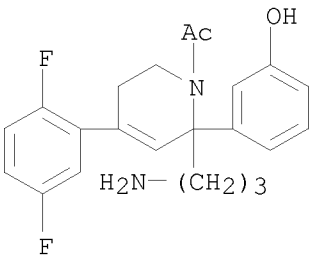
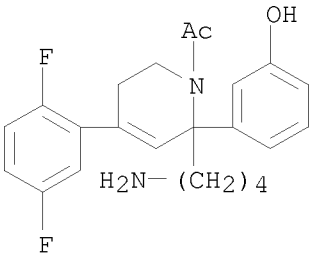
Updated Search



RN 723342-23-2 HCAPLUS
CN Ethanone, 1-[2-(4-aminobutyl)-4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



RN 723342-24-3 HCAPLUS
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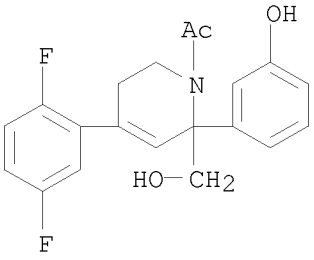

RN 723342-28-7 HCAPLUS
CN 1(2H)-Pyridinecarboxamide, 4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-N-methyl-N-[2-methyl-3-(methylamino)propyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

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CRN 723342-09-4
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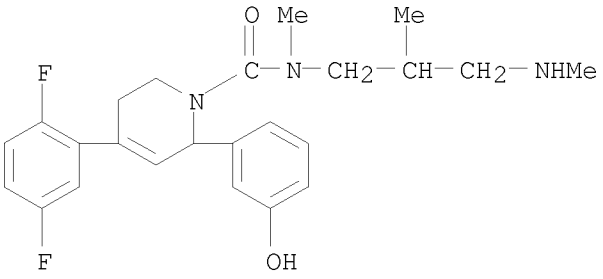

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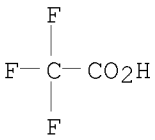
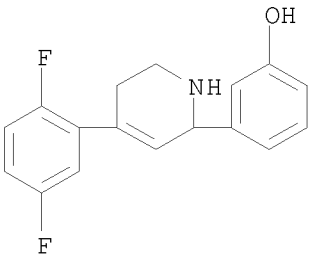
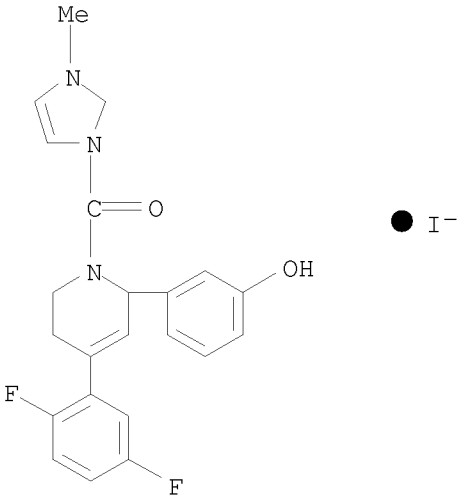


IT 723342-35-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)
RN 723342-35-6 HCAPLUS
CN Phenol, 3-[4-(2,5-difluorophenyl)-1,2,5,6-tetrahydro-2-pyridinyl]- (CA INDEX NAME)



IT 723342-36-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)
RN 723342-36-7 HCAPLUS
CN 1H-Imidazolium, 3-[[4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]carbonyl]-1-methyl-, iodide (1:1) (CA INDEX NAME)

10539512



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FULL ESTIMATED COST	46.15	628.19

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.80	-9.60

FILE 'CAOLD' ENTERED AT 18:18:38 ON 19 JUN 2008
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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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(FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

Updated Search

10539512

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L3             STRUCTURE UPLOADED
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L6           1 S L5

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     FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
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L13          4 S L11 NOT L12
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Updated Search

10539512

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION
CA SUBSCRIBER PRICE 0.00 -9.60

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9
DICTIONARY FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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L31 STRUCTURE UPLOADED

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L31 HAS NO ANSWERS
L31 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 1690 TO ITERATE

100.0% PROCESSED 1690 ITERATIONS 0 ANSWERS
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FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 31334 TO 36266
PROJECTED ANSWERS: 0 TO 0

Updated Search

10539512

L32 0 SEA SSS SAM L31

=> s l31 full
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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
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FULL SCREEN SEARCH COMPLETED - 34194 TO ITERATE

100.0% PROCESSED 34194 ITERATIONS 10 ANSWERS
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L33 10 SEA SSS FUL L31

=> file hcaplus

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 19 Jun 2008 VOL 148 ISS 25
FILE LAST UPDATED: 18 Jun 2008 (20080618/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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=> d l34, ibib abs hitstr, 1

L34 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:565201 HCAPLUS
DOCUMENT NUMBER: 141:123564
TITLE: Preparation of tetrahydropyridine derivatives as
mitotic kinesin inhibitors

Updated Search

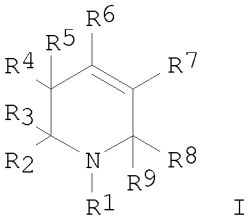
10539512

INVENTOR(S): Fraley, Mark E.; Garbaccio, Robert M.; Olson, Christy M.; Tasber, Edward S.
PATENT ASSIGNEE(S): Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004058700	A2	20040715	WO 2003-US40256	20031216
WO 2004058700	A3	20041014		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2508956	A1	20040715	CA 2003-2508956	20031216
AU 2003299672	A1	20040722	AU 2003-299672	20031216
EP 1578724	A2	20050928	EP 2003-799957	20031216
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006516142	T	20060622	JP 2004-563694	20031216
US 20060052611	A1	20060309	US 2005-539512	20050617

PRIORITY APPLN. INFO.:	US 2002-435339P	P	20021220
	WO 2003-US40256	W	20031216

OTHER SOURCE(S): MARPAT 141:123564
GI



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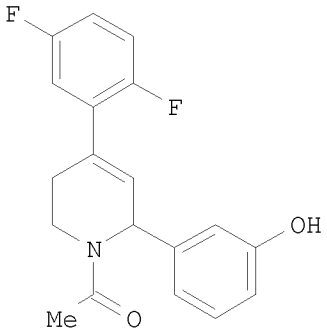


II

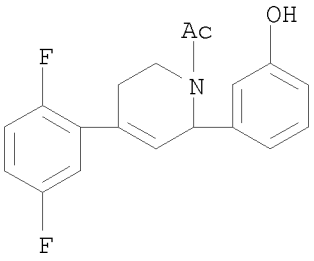
AB The title compds. I [R1 = (C1-C6-alkylene)n-X-R, (n = 0 or 1; X = CO, SO2, NH, etc.; R = (cyclo)alkyl, alkenyl, alkynyl, aryl, amino group, etc.), aryl, heterocyclyl, or alkyl; R2, R3, R4, R5, R9 = H, carboxyalkyl, O-perfluoroalkyl, oxo, OH, halo, CN, etc.; R6, R8 =

Updated Search

(substituted)(cyclo)alkyl, (substituted)aryl, (substituted)heterocyclyl; R7 = H, alkyl, alkenyl, alkynyl, CN, halo, COOH, etc.] were prepared for treating cellular proliferative diseases, and disorders associated with KSP kinesin activity, and for inhibiting KSP kinesin. For example, compound II was prepared in a multi-step synthesis stating from 4-methoxypyridine. The latter showed kinase inhibitory activity with IC50 ≤ 15 μM in the kinesin ATPase In Vitro assay.

IT 723342-05-0P 723342-06-1P 723342-18-5P
723342-19-6P 723342-20-9P 723342-21-0P
723342-22-1P 723342-23-2P 723342-24-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)

RN 723342-05-0 HCAPLUS
CN Ethanone, 1-[4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



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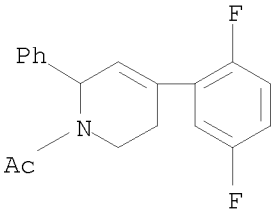

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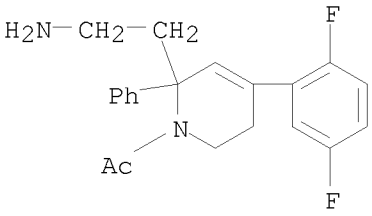

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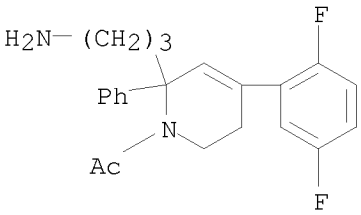

RN 723342-20-9 HCAPLUS
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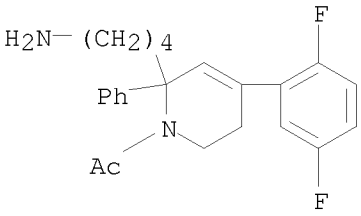
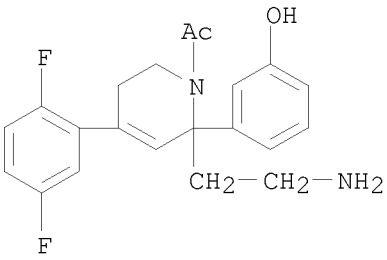
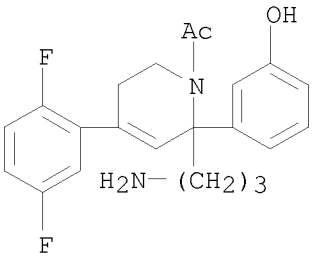


RN 723342-21-0 HCAPLUS
CN Ethanone, 1-[2-(2-aminoethyl)-4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)

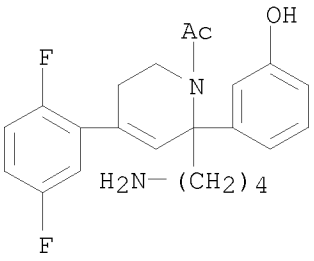


Updated Search

RN 723342-22-1 HCAPLUS
CN Ethanone, 1-[2-(3-aminopropyl)-4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



RN 723342-23-2 HCAPLUS
CN Ethanone, 1-[2-(4-aminobutyl)-4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-hydroxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)



RN 723342-24-3 HCAPLUS
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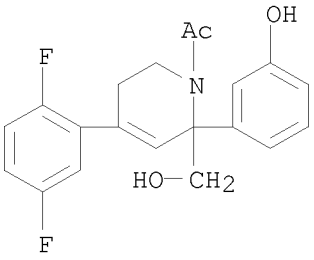
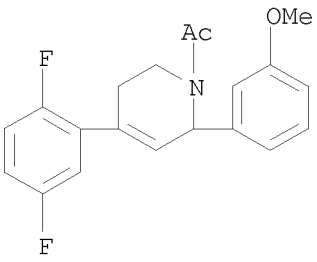


IT 723342-33-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tetrahydropyridine derivs. as mitotic kinesin inhibitors)
RN 723342-33-4 HCAPLUS
CN Ethanone, 1-[4-(2,5-difluorophenyl)-5,6-dihydro-2-(3-methoxyphenyl)-1(2H)-pyridinyl]- (CA INDEX NAME)

Updated Search

10539512



=> file reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 35.04 | 843.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | -0.80 | -10.40

FILE 'REGISTRY' ENTERED AT 18:27:56 ON 19 JUN 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9
DICTIONARY FILE UPDATES: 18 JUN 2008 HIGHEST RN 1029146-45-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

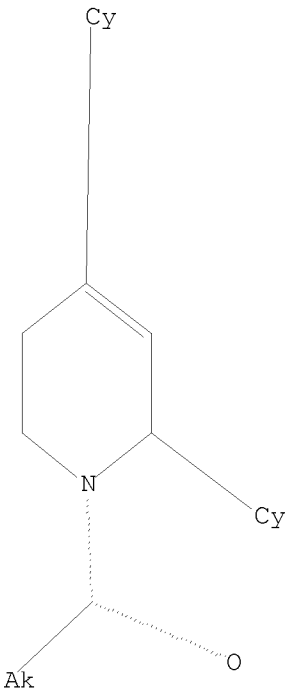
=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\zsdc.str

L35 STRUCTURE UPLOADED

=> d l35
L35 HAS NO ANSWERS
L35 STR

Updated Search

10539512



Structure attributes must be viewed using STN Express query preparation.

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=> s l35
SAMPLE SEARCH INITIATED 18:28:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    63317 TO ITERATE

  3.2% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      1251342 TO  1281338
PROJECTED ANSWERS:               0 TO        0

L36           0 SEA SSS SAM L35

=>
Uploading C:\Documents and Settings\brobinson1\My Documents\stnweb\Queries\asdx.str

L37     STRUCTURE UPLOADED

=> d l37
L37 HAS NO ANSWERS
L37             STR
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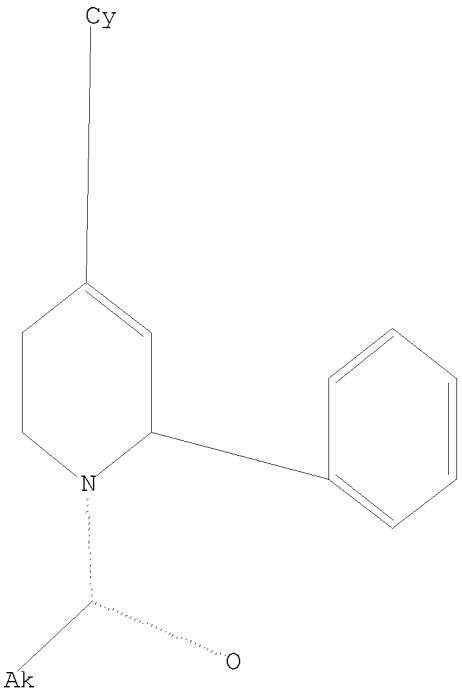
Updated Search

10539512



Structure attributes must be viewed using STN Express query preparation.

```
=> s l37
SAMPLE SEARCH INITIATED 18:29:10 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     6358 TO ITERATE

 31.5% PROCESSED     2000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       122379 TO   131941
PROJECTED ANSWERS:               0 TO        0

L38           0 SEA SSS SAM L37

=> s l37 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 177.90 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 18:29:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   127603 TO ITERATE

100.0% PROCESSED   127603 ITERATIONS                               11 ANSWERS
SEARCH TIME: 00.00.03

L39          11 SEA SSS FUL L37
```

Updated Search

10539512

=> d his

```
     (FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

     FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
L1             STRUCTURE UPLOADED
L2           9 S L1
L3             STRUCTURE UPLOADED
L4           0 S L3
L5           5 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
L6           1 S L5

     FILE 'CAOLD' ENTERED AT 18:09:18 ON 19 JUN 2008
L7           0 S L5

     FILE 'REGISTRY' ENTERED AT 18:09:24 ON 19 JUN 2008
L8             STRUCTURE UPLOADED
L9           1 S L8
L10        149 S L8 FULL

     FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
L11          5 S L10
L12          1 S L11 AND FRALEY, M?/AU
L13          4 S L11 NOT L12
L14          0 S L13 AND GARBACCIO, R?/AU
L15          0 S L13 AND OLSON, C?/AU
L16          0 S L13 AND TASBER, E?/AU

     FILE 'CAOLD' ENTERED AT 18:12:10 ON 19 JUN 2008
L17          0 S L10

     FILE 'REGISTRY' ENTERED AT 18:12:43 ON 19 JUN 2008
L18            STRUCTURE UPLOADED
L19          9 S L18
L20            STRUCTURE UPLOADED
L21         21 S L20
L22       1090 S L20 FULL

     FILE 'HCAPLUS' ENTERED AT 18:15:46 ON 19 JUN 2008
L23          7 S L22
L24          6 S L23 NOT L11
L25          0 S L24 AND FRALEY, M?/AU
L26          0 S L24 AND GARBACCIO, R?/AU
L27          0 S L24 AND OLSON, C?/AU
L28          0 S L24 AND TASBER, E?/AU
L29          1 S L23 NOT L24

     FILE 'CAOLD' ENTERED AT 18:18:38 ON 19 JUN 2008
L30          0 S L22

     FILE 'REGISTRY' ENTERED AT 18:18:46 ON 19 JUN 2008
L31            STRUCTURE UPLOADED
L32          0 S L31
L33         10 S L31 FULL
```

Updated Search

10539512

```
     FILE 'HCAPLUS' ENTERED AT 18:21:03 ON 19 JUN 2008
L34           1 S L33

     FILE 'REGISTRY' ENTERED AT 18:27:56 ON 19 JUN 2008
L35             STRUCTURE UPLOADED
L36           0 S L35
L37             STRUCTURE UPLOADED
L38           0 S L37
L39          11 S L37 FULL

=> s l39 no4 l33
MISSING OPERATOR

=> s l39 not l33
L40           1 L39 NOT L33

=> file hcaplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 179.28    1022.71

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                   0.00     -10.40

FILE 'HCAPLUS' ENTERED AT 18:29:38 ON 19 JUN 2008
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FILE COVERS 1907 - 19 Jun 2008  VOL 148 ISS 25
FILE LAST UPDATED: 18 Jun 2008  (20080618/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s l40
L41           1 L40

=> d l41, ibib abs hitstr, 1

L41  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2008 ACS on STN
```

Updated Search

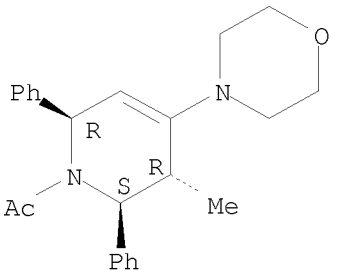
10539512

ACCESSION NUMBER: 1999:287417 HCAPLUS
DOCUMENT NUMBER: 131:31907
TITLE: A study on the reactivity of 3-methyl-2,6-diphenyl-4-piperidone
AUTHOR(S): Reddy, D. Bhaskar; Reddy, A. Somasekhar; Padmavathi, V.
CORPORATE SOURCE: Department of Chemistry, Sri Venkateswara University, Tirupati, 517 502, India
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1999), 38B(2), 141-147
CODEN: IJSBDB; ISSN: 0376-4699
PUBLISHER: National Institute of Science Communication, CSIR
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The reactivity of 3-methyl-cis-2,6-diphenyl-4-piperidone has been explored to develop a variety of heterocyclic compds. viz., diazepinone, oxazepinone, thiadiazole, γ-carboline, isoxazolyl and pyrazolyl tetrahydropyridines and various spiro heterocyclic compds. by the functionalization of carbonyl and active methylene centers.

IT 226996-06-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reactions (methyl)diphenylpiperidinone derivs.)
RN 226996-06-1 HCAPLUS
CN Pyridine, 1-acetyl-1,2,3,6-tetrahydro-3-methyl-4-(4-morpholinyl)-2,6-diphenyl-, (2R,3S,6S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
L1 STRUCTURE UPLOADED
L2 9 S L1
L3 STRUCTURE UPLOADED
L4 0 S L3
L5 5 S L3 FULL

Updated Search

```
     FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
L6             1 S L5

     FILE 'CAOLD' ENTERED AT 18:09:18 ON 19 JUN 2008
L7             0 S L5

     FILE 'REGISTRY' ENTERED AT 18:09:24 ON 19 JUN 2008
L8               STRUCTURE UPLOADED
L9             1 S L8
L10          149 S L8 FULL

     FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
L11            5 S L10
L12            1 S L11 AND FRALEY, M?/AU
L13            4 S L11 NOT L12
L14            0 S L13 AND GARBACCIO, R?/AU
L15            0 S L13 AND OLSON, C?/AU
L16            0 S L13 AND TASBER, E?/AU

     FILE 'CAOLD' ENTERED AT 18:12:10 ON 19 JUN 2008
L17            0 S L10

     FILE 'REGISTRY' ENTERED AT 18:12:43 ON 19 JUN 2008
L18              STRUCTURE UPLOADED
L19            9 S L18
L20              STRUCTURE UPLOADED
L21           21 S L20
L22         1090 S L20 FULL

     FILE 'HCAPLUS' ENTERED AT 18:15:46 ON 19 JUN 2008
L23            7 S L22
L24            6 S L23 NOT L11
L25            0 S L24 AND FRALEY, M?/AU
L26            0 S L24 AND GARBACCIO, R?/AU
L27            0 S L24 AND OLSON, C?/AU
L28            0 S L24 AND TASBER, E?/AU
L29            1 S L23 NOT L24

     FILE 'CAOLD' ENTERED AT 18:18:38 ON 19 JUN 2008
L30            0 S L22

     FILE 'REGISTRY' ENTERED AT 18:18:46 ON 19 JUN 2008
L31              STRUCTURE UPLOADED
L32            0 S L31
L33           10 S L31 FULL

     FILE 'HCAPLUS' ENTERED AT 18:21:03 ON 19 JUN 2008
L34            1 S L33

     FILE 'REGISTRY' ENTERED AT 18:27:56 ON 19 JUN 2008
L35              STRUCTURE UPLOADED
L36            0 S L35
L37              STRUCTURE UPLOADED
L38            0 S L37
L39           11 S L37 FULL
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```
L40           1 S L39 NOT L33

     FILE 'HCAPLUS' ENTERED AT 18:29:38 ON 19 JUN 2008
L41           1 S L40

=> file caold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      21.59    1044.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -0.80     -11.20

FILE 'CAOLD' ENTERED AT 18:33:13 ON 19 JUN 2008
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FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

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  assignees, and patent information, e.g., patent numbers, are
  now searchable from 1907-1966.  TIFF images of CA abstracts
  printed between 1907-1966 are available in the PAGE
  display formats.

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  This file supports REG1stRY for direct browsing and searching of
  all substance data from the REGISTRY file.  Enter HELP FIRST for
  more information.

=> s l40
L42           0 L40

=> d his

     (FILE 'HOME' ENTERED AT 18:05:30 ON 19 JUN 2008)

     FILE 'REGISTRY' ENTERED AT 18:05:39 ON 19 JUN 2008
L1              STRUCTURE UPLOADED
L2            9 S L1
L3              STRUCTURE UPLOADED
L4            0 S L3
L5            5 S L3 FULL

     FILE 'HCAPLUS' ENTERED AT 18:09:08 ON 19 JUN 2008
L6            1 S L5

     FILE 'CAOLD' ENTERED AT 18:09:18 ON 19 JUN 2008
L7            0 S L5

     FILE 'REGISTRY' ENTERED AT 18:09:24 ON 19 JUN 2008
```

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L8              STRUCTURE UPLOADED
L9            1 S L8
L10         149 S L8 FULL

     FILE 'HCAPLUS' ENTERED AT 18:11:10 ON 19 JUN 2008
L11           5 S L10
L12           1 S L11 AND FRALEY, M?/AU
L13           4 S L11 NOT L12
L14           0 S L13 AND GARBACCIO, R?/AU
L15           0 S L13 AND OLSON, C?/AU
L16           0 S L13 AND TASBER, E?/AU

     FILE 'CAOLD' ENTERED AT 18:12:10 ON 19 JUN 2008
L17           0 S L10

     FILE 'REGISTRY' ENTERED AT 18:12:43 ON 19 JUN 2008
L18             STRUCTURE UPLOADED
L19           9 S L18
L20             STRUCTURE UPLOADED
L21          21 S L20
L22        1090 S L20 FULL

     FILE 'HCAPLUS' ENTERED AT 18:15:46 ON 19 JUN 2008
L23           7 S L22
L24           6 S L23 NOT L11
L25           0 S L24 AND FRALEY, M?/AU
L26           0 S L24 AND GARBACCIO, R?/AU
L27           0 S L24 AND OLSON, C?/AU
L28           0 S L24 AND TASBER, E?/AU
L29           1 S L23 NOT L24

     FILE 'CAOLD' ENTERED AT 18:18:38 ON 19 JUN 2008
L30           0 S L22

     FILE 'REGISTRY' ENTERED AT 18:18:46 ON 19 JUN 2008
L31             STRUCTURE UPLOADED
L32           0 S L31
L33          10 S L31 FULL

     FILE 'HCAPLUS' ENTERED AT 18:21:03 ON 19 JUN 2008
L34           1 S L33

     FILE 'REGISTRY' ENTERED AT 18:27:56 ON 19 JUN 2008
L35             STRUCTURE UPLOADED
L36           0 S L35
L37             STRUCTURE UPLOADED
L38           0 S L37
L39          11 S L37 FULL
L40           1 S L39 NOT L33

     FILE 'HCAPLUS' ENTERED AT 18:29:38 ON 19 JUN 2008
L41           1 S L40

     FILE 'CAOLD' ENTERED AT 18:33:13 ON 19 JUN 2008
L42           0 S L40
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